



DEPARTMENT OF THE NAVY
NAVAL SUPPORT ACTIVITY WASHINGTON
1411 PARSONS AVENUE ST STE. 303
WASHINGTON NAVY YARD DC 20374-5003

5090
Ser N4/497
October 6, 2016

Ms. Karen Crumlish
Chief, Drinking Water Branch (3WP21)
EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Dear Karen Crumlish:

SUBJECT: REVISED TOTAL COLIFORM REPORT, U.S. NAVAL OBSERVATORY

Enclosed is the Revised Total Coliform Report for the monitoring period July 2016 for the U.S. Naval Observatory.

If you have any questions or require further information, please contact Mr. Dane Bowker, Public Works Department Drinking Water Program Manager at 202-433-4191 or email: dane.bowker@navy.mil.

Sincerely,

A handwritten signature in blue ink, reading "Durant S. Graves", is positioned above the printed name.

DURANT S. GRAVES
Installation Environmental Program Director
By direction of the Commanding Officer

Enclosures: 1. Total Coliform Report
2. Certificate of Analysis

Naval Observatory PWS: DC0000005

September Sampling Report

First Half Sample Date: 9/7/2016
 Total Samples: 1
 Total Samples Negative: 1
 Total Samples Positive: 0

Sample Number	Sample Point Identifier	Sample Point Name	Collector Name	Compliance Indicator	Sample Collection		Lab Received	Lab Analysis		Sample Comments	Chlorine Residual	pH	Temp (C)	Total Coliform Analysis Result	E. Coliform Analysis Result
					Date	Time	Date	Date	Time		Value (mg/L)				
1610395-01	NSF-OBST-59	BLDG 59	Guyan Kularthne	Y	9/7/2016	1353	9/7/2016	9/8/2016	1300		2.80	8.40	26.6	N	N

Enclosure 1



Microbac Laboratories, Inc.

Baltimore Division
2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800
Fax: 410-633-6553
www.microbac.com

COVER LETTER

Kosala De Silva
Inspection Experts, Inc
9220 Rumsey Rd., Bay # 5
Columbia, MD 21045

September 13, 2016
Report No.: 16I0395

RE: Drinking Water
Revised to include field data and correct time

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 09/07/2016 16:13.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Certifications/Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

9/13/2016

Final report reviewed by:

Melanie C. Duszynski For Curtis B. Read/Project Manager

Report issue date

All samples received in proper condition and results conform to ISO 17025 and TNI NELAC standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact Melanie C. Duszynski For Curtis B. Read Project Manager at 410-633-1800. You may also contact Trevor Boyce, President at trevor.boyce@microbac.com

Enclosure 2



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc
9220 Rumsey Rd., Bay # 5
Columbia, MD 21045

Project: Drinking Water
Project Number: NSF-OBST
Project Manager: Kosala De Silva

Report: 1610395
Reported: 09/13/2016 11:53

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Type	Date Sampled	Date Received
NSF-OBST-59	1610395-01	Drinking Water	Grab	09/07/2016 13:53	09/07/2016 16:13

Microbac Laboratories, Inc. - Baltimore

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Melanie C. Duszyński

Melanie C. Duszyński For Curtis B. Read, Project Manager

Original Report

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Inspection Experts, Inc
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Project Number: NSF-OBST
Project Manager: Kosala De Silva

Report: 1610395
Reported: 09/13/2016 11:53

NSF-OBST-59

1610395-01 (Drinking Water) Sampled: 09/07/2016 13:53; Type: Grab

Analyte	Result	Reporting Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
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Field Analysis

Analyst:	0697GK	pH:	8.40	Flow (g/min):	NA	Res. Cl (mg/L):	2.8	GW Elev.(ft):	NA
Temp. (C):	26.6	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond. (umhos/cm):	NA	LEL (%):	NA
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinity (ppt):	NA	Ambient Temp. (°C):	NA

Microbac Laboratories, Inc. - Baltimore

Microbiology

Coliform, Total	Negative	per 100ml	1.0	090716 1730	090816 1300	QLW	SM 9223B Colilert
E. Coli	Negative	per 100ml	1.0	090716 1730	090816 1300	QLW	SM 9223B Colilert

Microbac Laboratories, Inc. - Baltimore

Melanie C. Duszyński

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Project: Drinking Water
Project Number: NSF-OBST
Project Manager: Kosala De Silva

Report: 1610395
Reported: 09/13/2016 11:53

Project Requested Certification(s):

A2LA (Environmental)
State of Maryland (Drinking Water)

Analyte Certification Exception Summary

No certification exceptions

All analysis performed were analyzed under the required certification unless otherwise noted in the above summary.

Certification List

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

Code	Description	Certification Number	Expires
Microbac Laboratories, Inc. - Baltimore			
A2LA1	A2LA (Biology)	410.02	04/30/2017
A2LA2	A2LA (Environmental)	410.01	04/30/2017
VA-B	Commonwealth of Virginia (NELAC) - Baltimore	460285	03/14/2017
CPSC	CPSC Testing of Childrens Products and Jewelry	1115	04/30/2017
Pb	Environmental Lead (ELLAP)	410.01	04/30/2017
MD	State of Maryland (Drinking Water)	109	06/30/2017
WV	West Virginia	054	09/30/2016
Microbac Laboratories, Inc. - Richmond			
VA-R	Commonwealth of Virginia (NELAC) - Richmond	460022	06/14/2017

Microbac Laboratories, Inc. - Baltimore

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Melanie C. Duszynski

Melanie C. Duszynski For Curtis B. Read, Project Manager

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Project: Drinking Water
Project Number: NSF-OBST
Project Manager: Kosala De Silva

Report: 1610395
Reported: 09/13/2016 11:53

Qualifiers/Notes and Definitions

General Definitions:

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference



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Cooler Receipt Log

Cooler ID: Default Cooler

Cooler Temp: 0.10°C

Work Order: 1610395

Custody Seals Intact: Yes

Containers Intact: Yes

Received On Ice: Yes

Radiation Scan Acceptable: Yes

COC Present: Yes

COC/Containers Agree: Yes

Correct Preservation: Yes

Correct Number of Containers Received: Yes

Sufficient Sample Volume for Testing: Yes

Samples Received in Proper Condition: Yes

Comments:



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Chain of Custody Record

Page 1 of 1

Instructions for completing the Chain of Custody Record on back.

[illegible]

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Cooler Receipt Form / Sample Acceptance & Noncompliance Form

Microbac Laboratories, Inc., Baltimore Division
Control # 606-03
Effective Date: 07/11/2016
Page 1 of 1

Number of Coolers Received: 1

Client: Inspection Experts Inc.

Form Completed By: Anthony Smith

Shipper:

Custody Tape Intact:

Containers Intact:

Sample Received on Ice or refrigerated:

Radiation Scan:

Chain of Custody Present with shipment:

Sample Bottle IDs agree with COC:

Preservation requirements met:

Correct Number of Containers / Sample Volume:

Headspace in container:

Type of Sample:

Receipt Date / Time: 9/7/16 10:13pm

Work Order # 1610394

☐ Microbac ☒ Client ☐ UPS ☐ FedEx

~~YES~~ / NO / NA

~~YES~~ / NO

~~YES~~ / NO / NA

Infrared (IR) Temperature: 0.1 °C

☒ Negative or _____ mR/hr

~~YES~~ / NO

~~YES~~ / NO

YES / NO / Not Checked

~~YES~~ / NO (If No, contact client immediately)

~~YES~~ / NO / NA

Water Soil Wipes Oil Filter Solid

Sludge Food Swab Other

Container Type / Quantity:

A -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid:	If preserved pH <2, pH >10
B -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
C -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
D -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
E -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
H -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
K -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
L -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
M -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
P -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
W -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
V -	Unpreserved	HCl	HCl / Ascorbic Acid	HCl / NaTHIO (Checked at time of Analysis)			
F -	Unpreserved	NaTHIO (Checked at time of Analysis)					
S -	Unpreserved	8 NaTHIO (Checked at time of Analysis)					
SN -	Unpreserved	NaTHIO	NaTHIO/EDTA (Checked at time of Analysis)				

Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10

Describe preservation requirements not met:

All Acid preserved <2 pH NaOH preserved >12 pH All others >2 and <10 (usually 4-8)

Sample ID: _____ H2SO4 HNO3 NaOH _____ mls added

Sample ID: _____ H2SO4 HNO3 NaOH _____ mls added

Sample ID: _____ H2SO4 HNO3 NaOH _____ mls added

Sample ID: _____ H2SO4 HNO3 NaOH _____ mls added

H2SO4 - Sulfuric Acid, HNO3 - Nitric Acid, NaOH - Sodium Hydroxide ASC - Ascorbic Acid, NaTHIO - Sodium Thiosulfate

Describe Anomalies:

Contact information / Summary of Actions:

Date / Time: _____ Contact: _____ Contact By: _____

Comments: _____